CONTENTS OF VOLUME 24

NUMBER 1

1 TRANSPLACENTAL AND MAMMARY PASSAGE OF RADIOACTIVITY IN RATS TREATED VAGINALLY AND ORALLY WITH [^{14}C]PROPRANOLOL **Harpal S. Buttar, Jim H. Moffatt, and Claudia Bura**

19 METABOLISM OF NEPHROTOXIC ISOPROPYLCYCLOHEXANE IN MALE FISCHER 344 RATS **G. M. Henningsen, R. A. Salomon, K. O. Yu, I. Lopez, J. Roberts, and M. P. Servé**

27 FUNCTIONAL AND BIOCHEMICAL EFFECTS ON RAT LUNG FOLLOWING INSTILLATION OF CROCIDOLITE AND CHRYSOTILE ASBESTOS **Seishiro Hirano, Masashi Ono, and Atsuko Aimoto**

41 LEUKOCYTIC RESPONSES TO THE INTRAPLEURAL DEPOSITION OF PARTICLES, PARTICLE–CELL ASSOCIATIONS, AND THE CLEARANCE OF PARTICLES FROM THE PLEURAL SPACE COMPARTMENT **B. E. Lehnert, L. A. Dethloff, and Y. E. Valdez**

67 SELENIUM TOXICOSIS IN WILD AQUATIC BIRDS **Harry M. Ohlendorf, Arthur W. Kilness, Jerry L. Simmons, Richard K. Stroud, David J. Hoffman, and John F. Moore**

93 INHIBITION OF METHYL ISOCYANATE TOXICITY IN MICE BY STARVATION AND DEXAMETHASONE BUT NOT BY SODIUM THIOSULFATE, ATROPINE, AND ETHANOL **D. R. Varma, J. S. Ferguson, and Y. Alarie**

103 DIFFERENCES IN RESPONSE OF GLUCURONIDE AND GLUTATHIONE CONJUGATING ENZYMES TO AFLATOXIN B_1 AND *N*-ACETYLAMINOFLUORENE IN UNDERFED RATS **Ramesh Rajpurohit and Kamala Krishnaswamy**

111 LACK OF CARCINOGENICITY OF PHENYTOIN IN (C57BL/6 × C3H)F_1 MICE **T. Maeda, N. Sano, K. Togei, M. Shibata, K. Izumi, and H. Otsuka**

121 CHANGES IN NERVE MEMBRANE POLARIZATION FOLLOWING REPEATED EXPOSURE TO SOMAN **R. J. Anderson and W. L. Chamberlain**

129 A RAPID METHOD FOR PREPARING HEPATIC PARENCHYMAL CELLS FOR STUDYING DRUG METABOLISM **Robert C. Brown and Wayne R. Bidlack**

141 BOOK REVIEWS

144 ANNOUNCEMENTS

NUMBER 2

145 RAPID POSTEXPOSURE DECAY OF α_{2u}–GLOBULIN AND HYALINE DROPLETS IN THE KIDNEYS OF GASOLINE–TREATED MALE RATS **Bhagwan D. Garg, Michael J. Olson, William F. Demyan, and Arun K. Roy**

161 A TUNA FISH DIET INFLUENCES CAT BEHAVIOR **Katherine A. Houpt, Linda A. Essick, Eva B. Shaw, Deborah K. Alo, John E. Gilmartin, Walter H. Gutenmann, Cheryl B. Littman, and Donald J. Lisk**

173 LEAD AND BEHAVIORAL DEVELOPMENT: EFFECTS OF VARYING DOSAGE AND SCHEDULE ON SURVIVAL AND PERFORMANCE OF YOUNG COMMON TERNS (*STERNA HIRUNDO*) **Joanna Burger and Michael Gochfeld**

183 CHRONIC CADMIUM EXPOSURE DURING PREGNANCY IN THE MOUSE: INFLUENCE OF EXPOSURE LEVELS ON FETAL AND MATERNAL UPTAKE **William S. Webster**

193 DEVELOPMENTAL TOXICITY OF COBALT IN THE RAT **Jose L. Paternain, Jose L. Domingo, and Jacinto Corbella**

201 EFFECTS OF SOMAN ON VASCULAR CONTRACTILITY OF RABBIT ARTERIES **Chao-Yu Hu, Chia-Yao Hung, and Casey P. Robinson**

217 EFFECT OF TETRACHLOROPHTHALIC ANHYDRIDE ON HEPATIC MICROSOMAL METABOLISM IN RATS AND MICE **W. P. Ridley, J. Warren, and R. S. Nair**

229 TISSUE UPTAKE AND INTRACELLULAR DISTRIBUTION OF 140-LANTHANUM AFTER ORAL INTAKE BY THE RAT **Joseph L. Rabinowitz, Federico Fernandez-Gavarron, and Joseph G. Brand**

237 EFFECTS OF CHLORDECONE AND CHLORDECONE ALCOHOL ON ISOLATED OVINE ERYTHROCYTES **Stephen D. Soileau and Donald E. Moreland**

251 MAMMALIAN CELL TRANSFORMATION INDUCED BY CHROMIUM(VI) COMPOUNDS IN THE PRESENCE OF NITRILOTRIACETIC ACID **G. Lanfranchi, S. Paglialunga, and A. G. Levis**

261 ANCHORED CELL ANALYSIS/SORTING COUPLED WITH THE SCRAPE-LOADING/DYE-TRANSFER TECHNIQUE TO QUANTIFY INHIBITION OF GAP-JUNCTIONAL INTERCELLULAR COMMUNICATION IN WB-F344 CELLS BY 2,2′,4,4′,5,5′-HEXABROMOBIPHENYL **Mark G. Evans, Mohamed H. El-Fouly, James E. Trosko, and Stuart D. Sleight**

273 BOOK REVIEWS

278 ANNOUNCEMENTS

NUMBER 3

279 PERCUTANEOUS ABSORPTION OF HYDROQUINONE IN HUMANS: EFFECT OF 1-DODECYLAZACYCLOHEPTAN-2-ONE (AZONE) AND THE 2-ETHYLHEXYL ESTER OF 4-(DIMETHYLAMINO)BENZOIC ACID (ESCALOL 507) **Daniel A. W. Bucks, James R. McMaster, Richard H. Guy, and Howard I. Maibach**

291 ORAL TOXICITY OF A BLOOM OF THE CYANOBACTERIUM *MICROCYSTIS AERUGINOSA* ADMINISTERED TO MICE OVER PERIODS UP TO 1 YEAR **Ian R. Falconer, Judy V. Smith, Alan R. B. Jackson, Angela Jones, and Maria T. C. Runnegar**

307 TERATOLOGICAL EVALUATIONS OF ATRAZINE TECHNICAL, A TRIAZINE HERBICIDE, IN RATS AND RABBITS **R. Infurna, B. Levy, C. Meng, E. Yau, V. Traina, G. Rolofson, J. Stevens, and J. Barnett**

321 FEMALE REPRODUCTION AND PUP SURVIVAL AND GROWTH FOR MICE FED A CADMIUM-CONTAINING PURIFIED DIET THROUGH SIX CONSECUTIVE ROUNDS OF GESTATION AND LACTATION **Bartlett D. Whelton, Maryka H. Bhattacharyya, Bruce A. Carnes, Elizabeth S. Moretti, and David P. Peterson**

345 MUTAGENIC POTENTIAL OF BINARY MIXTURES OF NITRO-POLYCHLORINATED DIBENZO-*p*-DIOXINS AND RELATED COMPOUNDS **K. C. Donnelly, K. W. Brown, M. Estiri, D. H. Jones, and S. Safe**

357 EVALUATION OF TISSUE DISPOSITION, MYELOPOIETIC, AND IMMUNOLOGIC RESPONSES IN MICE AFTER LONG-TERM EXPOSURE TO NICKEL SULFATE IN THE DRINKING WATER **M. P. Dieter, C. W. Jameson, A. N. Tucker, M. I. Luster, J. E. French, H. L. Hong, and G. A. Boorman**

373 COMPARATIVE IN VITRO CYTOTOXICITY OF NICKEL OXIDES AND NICKEL-COPPER OXIDES TO RAT, MOUSE, AND DOG PULMONARY ALVEOLAR MACROPHAGES **J. M. Benson, R. F. Henderson, and J. A. Pickrell**

385 EFFECTS OF POLLUTANT ATMOSPHERES ON SURFACE RECEPTORS OF PULMONARY MACROPHAGES **Shankar B. Prasad, V. Srinivasa Rao, Richard C. Mannix, and Robert F. Phalen**

403 BINDING OF HEXACHLOROETHANE TO BIOLOGICAL MACROMOLECULES FROM RAT AND MOUSE ORGANS **Giovanna Lattanzi, Annamaria Colacci, Sandro Grilli, Mario Mazzullo, Giorgio Prodi, Maurizio Taningher, and M. Paola Turina**

413 COCARCINOGENICITY OF SACCHARIN AND *N*-ALKYLNITROSOUREAS IN CULTURED HUMAN DIPLOID FIBROBLASTS **G. E. Milo, J. W. Oldham, I. Noyes, T. A. Lehman, L. Kumari, R. W. West, and F. F. Kadlubar**

423 BOOK REVIEWS

427 ANNOUNCEMENTS

NUMBER 4

429 MUTAGENICITY OF URINE FROM GREENHOUSE WORKERS **Barbara S. Shane, Janet M. Scarlett-Kranz, W. Shaw Reid, and Donald J. Lisk**

439 EFFECTS OF PHENYTOIN, KETAMINE, AND ATROPINE METHYL NITRATE IN PREVENTING NEUROMUSCULAR TOXICITY OF ACETYLCHOLINESTERASE INHIBITORS SOMAN AND DIISOPROPYLPHOSPHOROFLUORIDATE **Mary Ellen Clinton, Karl E. Misulis, and Wolf-D. Dettbarn**

451 EFFECTS OF PRENATAL AND NEONATAL EXPOSURE TO LEAD ON THE AFFINITY AND NUMBER OF ESTRADIOL RECEPTORS IN THE UTERUS **John P. Wiebe and Kevin J. Barr**

461 EFFECT OF PRENATAL AND NEONATAL EXPOSURE TO LEAD ON GONADOTROPIN RECEPTORS AND STEROIDOGENESIS IN RAT OVARIES **John P. Wiebe, Kevin J. Barr, and Kevin D. Buckingham**

477 EMBRYOTOXIC AND TERATOGENIC EFFECTS OF SELENIUM IN THE DIET OF MALLARDS **David J. Hoffman and Gary H. Heinz**

491 EFFECTS OF THYROXINE SUPPLEMENTATION ON THE RESPONSE TO PERFLUORO-*n*-DECANOIC ACID (PFDA) IN RATS **Denise M. Gutshall, Gary D. Pilcher, and Albert E. Langley**

499 A CASE–SAR STUDY OF MAMMALIAN HEPATIC AZOREDUCTION **Stephen Nesnow, Hinda Bergman, Bevie-Joe Bryant, Susan Helton, and Ann Richard**

515 QUALITATIVE AND QUANTITATIVE CHANGES IN CYTOCHROME P–450–DEPENDENT XENOBIOTIC METABOLISM IN PULMONARY MICROSOMES AND ISOLATED CLARA CELL POPULATIONS DERIVED FROM OZONE–EXPOSED RATS **I. M. C. M. Rietjens, J. A. M. A. Dormans, P. J. A. Rombout, and L. van Bree**

533 CHEMICAL CHARACTERIZATION OF A POLAR PORTION IN THE NEUTRAL FRACTION DERIVED FROM AIRBORNE PARTICULATE EXTRACTS RESPONSIBLE FOR THE EMBRYOTOXICITY IN THE CHICKEN EMBRYO **Hisashi Matsumoto**

543 ORGANOCHLORINE PESTICIDE RESIDUES IN CHICKEN EGGS: A SURVEY **James M. Kahunyo, Arne Froslie, and Charles K. Maitai**

FOLLOWING PAGE 550:

TITLE PAGE TO VOLUME 24

CONTENTS OF VOLUME 24

AUTHOR INDEX TO VOLUME 24

SUBJECT INDEX TO VOLUME 24